**1. Introduction**

Welcome to Petopia, an innovative web application aimed at connecting pet lovers with their ideal furry companions through an adoption platform powered by React.js and Node. Petopia seeks to facilitate the process of adopting pets by providing a user-friendly interface where users can browse, connect, and ultimately provide loving homes to pets in need.

**2. Objectives**

The primary objective of Petopia is to create a seamless and enjoyable adoption experience for both potential pet owners and the animals awaiting adoption. Specifically, the project aims to:

* Develop a user-friendly interface for browsing available pets.
* Provide comprehensive information about each pet, including their name, gender, age and category.
* Enable users to communicate with Petopia through Contact us form.

**3. Scope**

The scope of the Petopia project includes the following features:

* User registration and authentication.
* View different categories of pets including photo, name and age of the pet .
* Connect with adoption agencies through messaging or contact forms.
* Submit checkout applications.
* Admin panel for managing pet listings, sales and adoption process.

**4. Stakeholders**

* **Development Team:** Responsible for designing, developing, and maintaining the Petopia platform.
* **Adoption Agencies:** Provide information about pets available for adoption and manage adoption applications.
* **Pet Owners:** Individuals or organizations looking to find new homes for their pets.
* **Potential Adopters:** Users interested in adopting a pet through the Petopia platform.

**5. Timeline and Milestones**

Below is the tentative timeline and key milestones for the Petopia project:

**Planning Phase (1 weeks)**

* Define project scope and requirements.
* Research and select appropriate technologies.
* Create wireframes and design mockups.

**Development Phase (3 weeks)**

* Set up development environment and infrastructure.
* Implement user authentication and registration.
* Develop pet browsing .
* Design and implement pet profile pages.
* Integrate messaging system for communication between users and Petopia.
* Implement adoption application submission.

**Testing and Refinement (1 weeks)**

* Conduct through testing of the platform.
* Address any bugs or issues identified during testing.

**Launch (1 week)**

* Finalize deployment and configuration.
* Roll out the Petopia platform to the public.
* Monitor performance .